Annexure - IX

# SCHEME FOR
# SITE SPECIFIC COMPENSATORY AFFORESTATION SCHEME

**OVER**

**5.0 Ha OF DEGRADED REVENUE FOREST LAND IDENTIFIED IN VILLAGE BAHALBEDA UNDER ATHAMALLIK TAHASIL AND ATHAMALLIK FOREST DIVISION OF ANUGUL DISTRICT**

**FOR**

**CONSTRUCTION OF 132 KV S/C (2 Coductor) on DC tiwer from existing 132/33 KV Grid Sub-Station Boinda of OPTCL to 132/25 KV RTSS Boinda over a length fo 3.236 Kms.**

# SUITABILITY CERTIFICATE

Certified that 5.00 Ha. of Revenue Forest and Non-Forest land identified in village Bahalbeda of Bamur Range under Athmallik Tahasil of Athmallik Forest Division of Angul District is suitable for the purpose of Compensatory Afforestation in Block model @1000 plants per ha in lieu of Forest Land over 3.940 Ha. to be diverted for construction of 132 KV S/C (2 Conductor) on DC Tower from the existing 132/33 KV Grid Sub-station Boinda of OPTCL to 132/25 KV RTSS Boinda.

Divisional Forest Officer,
Athamallik Division

Divisional Forest Officer,
Athmallik Division

# JOINT VERIFICATION & SUITABILITY CERTIFICATE

**JOINT VERIFICATION REPORT OVER AN AREA OF 5.00 HA OR 12.36 AC NON FOREST GOVERNMENT LAND / REVENUE FOREST LAND IN VILLAGE BAHALBEDA OF ATHAMALLIK TAHSIL, DONE BY REVENUE AND FOREST OFFICIALS WITH USER AGENCY FOR RAISING COMPENSATORY AFFORESTATION FOR PROCESSING OF DIVERSION PROPOSAL FOR CONSTRUCTION OF 132 KV RTSS BOINDA LINE ANGUL DISTRICT.**

1. Date of Joint Verification :
2. Situation : Bahalbeda Revenue Village.
3. Type of Land : Jungle-II & Patita.
4. Description of Area : Land Schedule and Map enclosed.
5. Category : Kissam – Plot No. 55 (Patita) & Plot No.56(P)-Jungle-II
6. Proposed Area : Ac. 12.36 or 5.00 Ha.
7. Soil : This is good depth of Soil.
8. Feasibility :

   I. Certified that the above mentioned non forest government land/revenue forest land is a compact patch having adequate soil depth suitable for compensatory Afforestation (ANR Plantation) with other forest activities as per the scheme.
   II. The land is free from encroachment and encumbrances.
   III. The land is not allotted previously for any other purpose.
   IV. The land is not covered under DLC report.
   V. The land is not covered under 4(I) Notification.
   VI. The prescribed RCC pillars have to be posted on the demarcated boundary of each side by the User Agency.

Deputy General Manager (Elect)
EHT Construction Division
OPTCL, ANGUL

25/1/18
Revenue Inspector
Tusar

25/1/18
Forest Range Officer
Banar Range

Countersigned
08/02/18
Additional Tahasildar
ATHMALLIK

Divisional Forest Officer
Athmallik Division

**Detailed scheme for Compensatory Afforestation to be carried out over 5.0 ha of Degraded Revenue Forest Land Identified in Village Bahalbeda under Athamallik Tahasil and Athamallik Forest Division of Angul District in lieu of forestland to be diverted for construction of 132 KV S/C (2 Conductor) on DC Tower from the existing 132/33 KV Grid Sub-station Boinda of OPTCL to 132/25 KV RTSS Boinda over a length of 3.236 Kms..**

## INTRODUCTION:

The Govt. of Odisha, Dept. of Energy vide Gazette Notification dated 09.03.2006 formed a Company named as Odisha Power Transmission Corporation Ltd. (OPTCL) having its registered Office at Bhoinagar, Bhubaneswar-751022, is a Government of Odisha Company engaged in the business of India – State Transmission of Electricity. The present project of OPTCL is to contract 132 KV S/C (2 Conductor) on DC tower from the existing 132/33 KV Grid substation Boinda of OPTCL to 132/25 KV RTSS Boinda (Line distance 3.236 Kms). The aim of this Project is to facilitate the Rail Electrification of Boinda & adjoining area in Angul Dist. in particular and overall development of Odisha State in general. The Project for construction of 132 KV S/C line passes through Jamunali, Parbatipur and Kadalimunda villages under Kishore Nagar Tahasil of Angul Dist. and Athamallik Forest Division. The project includes 9.730 Ac or 3.940 Ha. of Forest Land, 11.370 Ac or 4.601 Ha of Private Non-forest Land and 0.484 Ac or 0.196 Ha. of Govt. Non-forest land. The project is depicted in Soi Toposheet No. F 45 S 5 Longitude E84$^0$46'27.74381'' and Latitude N20$^0$54'39.45349''.

## LAND INVOLVED

Tahasildar Athamallik has identified 5.00 ha of Revenue forest land in village Bahalbeda under Athamallik Tahasil and Angul District for this purpose. The Revenue forest land is at a distance nearly 35 km from Athamallik Township and 10 km from Bamur Range. An all weather road exists right up to the site selected for the Comp. Affn.

## Land Schedule

| Sl. No | Name of the Village | Khata No | Plot No | Area(in Ac) | Area(in Ha) |
|---|---|---|---|---|---|
| 1 | Bahalbeda | 46 | 55 | 6.10 | 2.477 |
| 2 | -do- | -do- | 56(P) | 6.26 | 2.533 |
| | | | Total | 12.36 | 5.000 |

## DESCRIPTION OF EXISTING VEGETATION

The Revenue forest land identified for this project for raising Comp. Affn. is fairly open having Bushy undergrowth & forest having less economic species. The Canopy density varies from 0.2 to 0.3 in different places of the site identified and hence requires minimal site clearance before taking up plantation activity. The site has been selected as per the new guideline of MoEF & CC dated 08.11.2017 and has been jointly verified by Revenue and Forest Deptt. officials in the presence of User Agency.

## GPS Reading Surveyed points:

| Co-ordinates of CA AREA | | | | |
|---|---|---|---|---|
| Pillar Id | Easting | Northing | Longitude | Latitude |
| 1 | 226539.013 | 2314233.1 | 84°22'15.825" | 20°54'29.688" |
| 2 | 226573.039 | 2314212.709 | 84°22'17.013" | 20°54'29.043" |
| 3 | 226608.497 | 2314191.461 | 84°22'18.251" | 20°54'28.372" |
| 4 | 226643.951 | 2314190.39 | 84°22'19.478" | 20°54'28.356" |
| 5 | 226677.818 | 2314177.478 | 84°22'20.657" | 20°54'27.954" |
| 6 | 226686.073 | 2314153.348 | 84°22'20.956" | 20°54'27.175" |
| 7 | 226716.306 | 2314101.066 | 84°22'22.031" | 20°54'25.492" |
| 8 | 226709.559 | 2314075.931 | 84°22'21.811" | 20°54'24.672" |
| 9 | 226699.373 | 2314066.273 | 84°22'21.465" | 20°54'24.353" |
| 10 | 226670.507 | 2314041.773 | 84°22'20.481" | 20°54'23.541" |
| 11 | 226632.195 | 2314042.831 | 84°22'19.155" | 20°54'23.555" |
| 12 | 226578.877 | 2314052.654 | 84°22'17.306" | 20°54'23.846" |
| 13 | 226543.952 | 2314060.724 | 84°22'16.093" | 20°54'24.089" |
| 14 | 226533.765 | 2314078.319 | 84°22'15.731" | 20°54'24.656" |
| 15 | 226530.095 | 2314134.266 | 84°22'15.573" | 20°54'26.472" |
| 16 | 226525.784 | 2314196.058 | 84°22'15.388" | 20°54'28.477" |
| 17 | 226279.186 | 2313955.097 | 84°22'06.997" | 20°54'20.516" |
| 18 | 226324.008 | 2313949.557 | 84°22'08.550" | 20°54'20.360" |
| 19 | 226379.001 | 2313943.678 | 84°22'10.456" | 20°54'20.198" |
| 20 | 226435.195 | 2313938.185 | 84°22'12.402" | 20°54'20.049" |
| 21 | 226490.683 | 2313932.76 | 84°22'14.324" | 20°54'19.903" |
| 22 | 226546.853 | 2313927.269 | 84°22'16.269" | 20°54'19.754" |
| 23 | 226597.684 | 2313922.3 | 84°22'18.030" | 20°54'19.620" |
| 24 | 226641.209 | 2313918.046 | 84°22'19.537" | 20°54'19.505" |
| 25 | 226698.524 | 2313911.653 | 84°22'21.523" | 20°54'19.328" |
| 26 | 226677.304 | 2313909.192 | 84°22'20.790" | 20°54'19.237" |
| 27 | 226666.324 | 2313874.122 | 84°22'20.431" | 20°54'18.091" |
| 28 | 226671.107 | 2313865.573 | 84°22'20.601" | 20°54'17.816" |
| 29 | 226612.084 | 2313868.404 | 84°22'18.558" | 20°54'17.877" |
| 30 | 226566.278 | 2313870.601 | 84°22'16.973" | 20°54'17.923" |
| 31 | 226525.192 | 2313872.572 | 84°22'15.551" | 20°54'17.965" |
| 32 | 226480.36 | 2313874.723 | 84°22'14.000" | 20°54'18.012" |
| 33 | 226428.96 | 2313877.189 | 84°22'12.221" | 20°54'18.064" |
| 34 | 226384.273 | 2313871.196 | 84°22'10.679" | 20°54'17.846" |
| 35 | 226343.155 | 2313865.681 | 84°22'09.260" | 20°54'17.645" |
| 36 | 226337.394 | 2313866.876 | 84°22'09.060" | 20°54'17.680" |
| 37 | 226304.025 | 2313868.551 | 84°22'07.905" | 20°54'17.717" |
| 38 | 226271.513 | 2313870.183 | 84°22'06.780" | 20°54'17.753" |
| 39 | 226275.136 | 2313910.278 | 84°22'06.883" | 20°54'19.058" |

## 1. TOPOGRAPHY & SOIL

The site is shown in Topo sheet No. 73 D/5. The soil type occurring in the area is shallow, somewhat excessively drained, gravelly loamy soils on moderately hill slopes with loamy surface, susceptible to erosion, associated with deep and well drained soil at certain places.

## 2. CLIMATIC CONDITION

The climatic condition of the area supports growth of dry deciduous forest and experiences an average annual rain fall of 75 – 100 cm. and maximum temperature of 45$^{0}$C. The summer season is from March to June, winter from November to February and rainy season is from July to September.

## 3. OBJECTIVE OF THE SCHEME

It is a mandatory requirement under the provision of F.C. Act, 1980 Apart from that other ecological aspects i.e. to be addressed buy this scheme are as follows.

(i) Improving the condition of existing forest through afforestation activities by planting indigenous forest species available in the nearby forests.

(ii) To enhance soil productivity through soil and moisture conservation measures.

(iii) To stabilize the ratio between water run-off during rainy season and that of dry season and enhance the land of groundwater aquifer by augmenting water seepage through the soil.

## 4. PLANTATION MODEL

Block Plantation with 1000 plants per ha. will be taken up in the site followed by maintenance of plantation for 10 years as per the requirement stated in F.No. 11-168/2009-FC Date 14.2.2012 of MoEF, Govt. of India.

## 5. DETAIL OF YEAR WISE BREAK UP OF REQUIREMENTS OF FUNDS IS AS UNDER

| COST NORM FOR BLOCK PLANATION @ 1000 PLANTS PER HECTARE | | | | | | |
|---|---|---|---|---|---|---|
| SL NO | ITEMS OF WORK | Preferable period of Execution | Person Days | Labour cost@Rs.213.50/-per day | Material Cost(Rs) | Total cost(Rs) |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 0th year (Advance work) pre-planting operation | | | | | | |
| 1 | Survey, demarcation and pillar posting | Nov/Dec | 2 | 427 | 0 | 427 |
| 2 | Site preparation | Nov/Dec | 8 | 1708 | 0 | 1708 |
| 3 | Alignment and stacking of pits | Jan/Feb | 2 | 427 | 0 | 427 |
| 4 | Digging of pits(30 cm cube) | Feb/Mar | 25 | 5337.5 | 0 | 5337.5 |

| COST NORM FOR BLOCK PLANATION @ 1000 PLANTS PER HECTARE | | | | | | |
|---|---|---|---|---|---|---|
| SL NO | ITEMS OF WORK | Preferable period of Execution | Person Days | Labour cost@Rs.213.50/-per day | Material Cost(Rs) | Total cost(Rs) |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 5 | Nursery cost 96 months old seedling)part@Rs.9.45/- seeding (Rs.6.67 in 0th year +Rs.2.78 in 1st year) for 1100 seedings(1000+100) | Jan-Mar | 27.5 | 5871.25 | 1837 | 7708.25 |
| | **Total** | | **64.5** | **13770.75** | **1837** | **15607.75** |
| **1st year/planting year** | | | | | | |
| 6 | Nursery cost (6 months old seedling) balance@ Rs.2.78 for 1100 seedlings. | Apr-Jul | 13 | 2775.5 | 458 | 3233.5 |
| 7 | Carriage & planting, casualty replacement and application of insecticides, manure etc. | Jul/Aug | 13 | 2775.5 | 0 | 2775.5 |
| 8 | Cost of insecticide and fertilizer (a) NPK@50gms/plant as basal dose=80kg@Rs.24/-per kg=Rs.1200.00. (b)Urea @70gms/plant in two subsequent doses@Rs.6/- per kg=Rs.420/- (c ) Granular insecticide(Themet,Forate etc.)@5 gms/plant@ Rs.80/-per kg=Rs.400/- | | 0 | 0 | 2020 | 2020 |
| 9 | 1st weeding(complete weeding) | Aug/Sep | 5 | 1067.5 | 0 | 1067.5 |
| 10 | Manuring urea 35 gm | Aug/Sep | 4 | 854 | 0 | 854 |
| 11 | 2nd weeding(complete weeding) | Sep/Oct | 4 | 854 | | 854 |
| 12 | Soil working(50cms.radius around plants)& manuring urea 35gms per plant | Sep/Oct | 5 | 1067.5 | 0 | 1067.5 |
| 13 | soil conservation measures in the form of staggered trenches of size 2m x 0.5m x0.5m@ 30 nos. per ha | Sep/Oct | 10 | 2135 | 0 | 2135 |
| 14 | Fire line tracing & Inspection path | Feb/Mar | 3 | 640.5 | 0 | 640.5 |
| 15 | watch & ward | Aug-Mar | 7 | 1494.5 | 0 | 1494.5 |
| | **Total** | | **64** | **13664** | **2478** | **16142** |
| **2nd year Maintenance** | | | | | | |
| 16 | Casualty replacement(10%) with nursery cost | Jul/Aug | 2.5 | 533.75 | 945 | 1478.75 |
| 17 | Weeding(complete weeding) | Sep/Oct | 4 | 854 | | 854 |
| 18 | Cost of fertilizer(NPK@ 70 gms/plant for 1000 plants)(Rs.24/-per kg & insecticide@5gms/plant for 100 plants 500gms@Rs.80/- per Kg) | | 0 | 0 | 1720 | 1720 |
| 19 | soil working (50 cms. Radius around plants) | Oct/Nov | 5 | 1067.5 | 0 | 1067.5 |
| 20 | Application of fertilizer & insecticide | Sep/Oct | 2.5 | 533.75 | 0 | 533.75 |
| 21 | Fire line tracing(2 m. wide fire line over 400 m long | Feb/Mar | 3 | 640.5 | 0 | 640.5 |

| COST NORM FOR BLOCK PLANATION @ 1000 PLANTS PER HECTARE | | | | | | |
|---|---|---|---|---|---|---|
| SL NO | ITEMS OF WORK | Preferable period of Execution | Person Days | Labour cost@Rs.213.50/-per day | Material Cost(Rs) | Total cost(Rs) |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 22 | watch & ward | Apr-Mar | 15 | 3202.5 | 0 | 3202..5 |
| | **Total** | | **32** | **6832** | **2665** | **9497** |
| **3rd year Maintenance** | | | | | | |
| 23 | weeding and application of fertilizer | Aug/Sep | 5 | 1067.5 | 0 | 1067.5 |
| 24 | Cost of fertilizer(NPK@ 50gms/plant)@Rs.24/- per kg | | 0 | 0 | 1200 | 1200 |
| 25 | soil working(50cms.radius around plants)& application of fertilizer | Oct/Nov | 5 | 1067.5 | 0 | 1067.5 |
| 26 | Fire line tracing (2 m. wide fire line over 400 m length) & cultural operation | Feb/Mar | 3 | 640.5 | 0 | 640.5 |
| 27 | watch & ward | Apr-Mar | 15 | 3202.5 | 0 | 3202.5 |
| | **Total** | | **28** | **5978** | **1200** | **7178** |
| **4th year Maintenance** | | | | | | |
| 28 | Fire line tracing (2 m. wide fire line over 400 m length) & cultural operation | Feb/Mar | 3 | 640.5 | 0 | 640.5 |
| 29 | watch & ward | Apr-Mar | 15 | 3202.5 | 0 | 3202.5 |
| | **Total** | | **18** | **3843** | **0** | **3843** |
| **5th year Maintenance** | | | | | | |
| 30 | Fire line tracing (2 m. wide fire line over 400 m length) & cultural operation | Feb/Mar | 3 | 640.5 | 0 | 640.5 |
| 31 | Watch & ward | Apr-Mar | 15 | 3202.5 | 0 | 3202.5 |
| | **Total** | | **18** | **3843** | **0** | **3843** |
| **6th year maintenance** | | | | | | |
| 32 | Fire line tracing (2 m. wide fire line over 400 m length) & cultural operation | Feb/Mar | 3 | 640.5 | 0 | 640.5 |
| 33 | watch & ward | Apr-Mar | 15 | 3202.5 | 0 | 3202.5 |
| | **Total** | | **18** | **3843** | **0** | **3843** |
| **7th year Maintenance** | | | | | | |
| 34 | Fire line tracing (2 m. wide fire line over 400 m length) & cultural operation | Feb/Mar | 3 | 640.5 | 0 | 640.5 |
| 35 | Watch & ward | Apr-Mar | 15 | 3202.5 | 0 | 3202.5 |
| | **Total** | | **18** | **3843** | **0** | **3843** |
| **8th year Maintenance** | | | | | | |
| 36 | Fire line tracing (2 m. wide fire line over 400 m length) & cultural operation | Feb/Mar | 3 | 640.5 | 0 | 640.5 |
| 37 | Watch & Ward | Apr-Mar | 15 | 3202.5 | 0 | 3202.5 |
| | **Total** | | **18** | **3843** | **0** | **3843** |
| **9th year Maintenance** | | | | | | |
| 38 | Fire line tracing (2 m. wide fire line over 400 m length) & Cultural operation | Feb/Mar | 3 | 640.5 | 0 | 640.5 |
| 39 | Watch & Ward | Apr-Mar | 15 | 3202.5 | 0 | 3202.5 |
| | **Total** | | **18** | **3843** | **0** | **3843** |
| **10th year Maintenance** | | | | | | |

| COST NORM FOR BLOCK PLANATION @ 1000 PLANTS PER HECTARE | | | | | | |
|---|---|---|---|---|---|---|
| SL NO | ITEMS OF WORK | Preferable period of Execution | Person Days | Labour cost@Rs.213.50/-per day | Material Cost(Rs) | Total cost(Rs) |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 40 | Fire line tracing (2 m. wide fire line over 400 m length) & cultural operation | Feb/Mar | 3 | 640.5 | 0 | 640.5 |
| 41 | Watch & Ward | Apr-Mar | 15 | 3202.5 | 0 | 3202.5 |
| | **Total** | | **18** | **3843** | **0** | **3843** |
| | **Grand Total** | | **314.5** | **67145.75** | **8180** | **75325.75** |

## Abstract

| Year | Person Days | Labour (Rs) | Material (Rs) | Total Cost (Rs) |
|---|---|---|---|---|
| 0th Year | 64.5 | 13770.75 | 1837 | 15607.75 |
| 1st Year | 64 | 13664 | 2478 | 16142 |
| 2nd Year | 32 | 6832 | 2665 | 9497 |
| 3rd Year | 28 | 5978 | 1200 | 7178 |
| 4th Year | 18 | 3843 | 0 | 3843 |
| 5th Year | 18 | 3843 | 0 | 3843 |
| 6th Year | 18 | 3843 | 0 | 3843 |
| 7th Year | 18 | 3843 | 0 | 3843 |
| 8th Year | 18 | 3843 | 0 | 3843 |
| 9th Year | 18 | 3843 | 0 | 3843 |
| 10th Year | 18 | 3843 | 0 | 3843 |
| **TOTAL** | **314.5** | **67145.75** | **8180** | **75325.75** |

**Rs. 75325.75x 5.0 ha =** **Rs.3,76,628.75**

**The site being a degraded forest Additional 25% cost for Soil Moisture Conservation like Gully Plugging, Check Dams, Contour bonds, Nallah bunding, vegetative bunds etc. and removal of weeds will improve the vegetative composition and ultimately converge with the natural adjoining forests.** **Rs. 94,157.19**

***Sub Total*** ... ... ... ... ... ... ... ... ***Rs.4,70,785.94***

## 5. Technical details:- Technical details of Compensatory Afforestation Scheme are as follows:

### a) General Details :

#### Survey & Demarcation of boundary:

The identified area will be surveyed by GPS and the area will be demarcated with RCC pillars. Each pillar will be embedded two feet inside the ground and project 3 feet above the ground and will be bear the Pillar number and GPS location and an arrow pointing towards the next pillar. The pillar numbering will be done in a clock wise manner starting from the 1st pillar.

### b) Planting and post-planting:

Block Plantation shall be taken up with 1000 plants per hectares. Alignment and pit marking be done carefully in slopes so that the horizontal distance between plants in a row remains 2.5 mtrs. Size of pits will be 30 cm X 30 cm X 30 cm. All post planting measures like casualty replacement, soil working, weeding manuring, fire protection etc. will be undertaken. These plots should be demarcated in the field before digging of pits.

While taking up plantation, the following points shall be taken up for consideration: -

- Care to be taken to raise healthy plantable seedlings comprising of indigenous species of minimum 60 cm height. 10% extra seedlings are to be raised for replacement of casualty.
- Pitting will commence during Feb-March i.e., when soil is loose. If possible the soil of upper portion and lower portion of pit are to be placed separately in specific direction so that while planting the pits will be filled with top-soil first.
- Planting will be done on the onset of monsoon to get full benefit of monsoon rain.
- Fertilizer and insecticides will be applied at the time of planting carefully by mixing with top-soil so that the roots of seedlings do not come in direct contact with the fertilizer.
- In case of any mortality of planted seedlings, casualty replacement with good seedlings will be carried as soon as possible for better success rate.
- Circular weeding in proper time will be done around the planted seedlings.
- All works are to be done in time as Plantation manual, 1977.

### c) Species:

Although indigenous species are to be preferred in the plantation, considering adverse soil & moisture conditions we may go for hardy species wherever required to ensure good survival percentage. From wildlife requirement point of view, plantation of fruit bearing and fodder species will also be given due importance. 5% of the total species to be planted will constitute Bamboo. Considering the topography, soil and moisture availability of the plantation area, the following species will be planted

| Sl No | Name of species | Common name | Remarks |
|---|---|---|---|
| 1 | *Tectona grandis* | Teak | |
| 2 | *Emblicaofficinalis* | Amla | |
| 3 | *Dalbergiasissoo* | Sissoo | In lower areas with good soil depth |
| 4 | *Gmelina arborea* | Gambhari | In lower areas with good soil depth |
| 5 | *Dendrocalamus strictus* | Salia bamboo | In lower areas with good soil depth healthy seedlings from rhizomes may be planted |
| 6 | *Mangifera indica* | Mango | In situ plantation (direct placing of mango stone in planting site) during pre-monsoon may be adopted in few lower areas or where watering can be done during summer |
| 7 | *Alstonia scholaris* | Chhatian | |
| 8 | *Cassia fistula* | Sunari | |
| 9 | *Pongamia pinnata* | Karanja | |
| 10 | *Anthocephalus cadamba* | Kadamba | |
| 11 | *Terminalia bellirica* | *Bahada* | |
| 12 | *Bridelia retusa* | *Kasi* | |

### d) Proposed Monitoring Mechanism:-

The scheme shall be executed by the Divisional Forest Officer, Athmallik Division and all prescribed records are to be maintained. In addition to internal monitoring by Forest Officers of State Government, a Monitoring Committee under item no. 3.4(iii) of consolidated guidelines under F.C Act 1980 issued by MoEF, shall be constituted.

**Total cost of the project:** The total cost of the project is **Rs. 9,25,200.00.**

**(Rupees Nine lakhs twenty-five thousands two hundred only)**

## FINANCIAL OUTLAY OF THE SCHEME

| Sl. No. | Description | Amount in Rs. |
|---|---|---|
| 1. | Cost for Planting 1000 plants per Ha. @ Rs 3,76,628.75 for 5.00 Ha | 3,76,628.75 |
| 2. | Cost for Soil Moisture Conservation work like Gully Plugging, Check Dam, Contour Bonds, Nallah Bonding, Vegetative bunds etc and removal of weeds. | 94,157.19 |
| | Total | 4,70,785.94 |
| 3. | **Cost of Infrastructure(To be provided by the User Agency at Project cost)** | |
| | GIS Hardware installation in Division office as per details enclosed(As Annexure-I). | 3,00,000.00 |
| | Sub Total | 7,70,785.94 OR 7,71,000.00 |
| | Escalation 20% | 1,54,200.00 |
| | **Grand Total** | **9,25,200.00** |

**(Rupees Nine lakhs twenty-five thousands two hundred only)**

which shall be payable by OPTCL as per demand notice to be issued by D.F.O, Athmallik Forest Division and after receiving due approval from Addl. PCCF, Nodal, office of RCCF & MoEF, Odisha, Bhubaneswar.

**Divisional Forests Officer**
**Athamallik Division**
Divisional Forest Officer
Athmallik Division